

## *Recent Upgrades*

To new Alfine and Nexus Inter-8

SG-8R31, 8R36, 8C31, S501



Roller clutches are used in place of pawls in two places to reduce noise. The new hubs are now almost completely silent, there is only a ratcheting noise when backpedaling.



New dust seals greatly increase waterproofing and in turn, durability. Replacement seals are compatible with all previous 8 speed hubs.

There is also a new torque limiter which will make it harder to damage the hub with too much pressure from the pedals.

# Differences Between Standard and Premium Models

SG-8R20/8R31 vs. SG-8R25/8R36



Standard

Premium hubs have planetary gears that ride on needle bearings instead of just pins. They also have ball bearing races that are ground after heat treatment to further increase efficiency.



Premium



Ground Bearing Races

